

Appln No. 09/734,237

Amdt date February 26, 2004

Reply to Office action of August 27, 2003

Amendments to the Drawings:

The enclosed two sheets of drawings includes changes to Figure 1A-D. Applicant has modified Figure 1A-D to describe the recited nucleic acid sequences by their SEQ ID Numbers as requested by the Examiner.

Application No. 09/734,237  
Inventor(s): J. David Rozzell, Jr., et al.  
Title: SYNTHETIC GENES FOR  
ENHANCED EXPRESSION  
Sheet 1 of 10

Figure 1A - SEQ ID No. 3, with residual bases from restriction sites included.

C atg GGT cac ggc tcc aac aaA ctG ccG ggc ttt gct acc cgc  
gct atC cac caC ggt taT gac ccG cag gaT cac ggt ggt gca ctg  
gtT ccG ccg gtT tac cag acT gct acT ttc acc ttc ccG acc gtT  
gaa tac ggc gct gcg tgc ttt gct ggc gaA cag gct ggt cac ttc  
tac TCC cgt atc tcc aac ccG acc ctG aac ctg ctg gaa gca cgt  
atg gcA tct ctg gaa ggc ggc gaA gct ggt ctg gcg ctg gcA tct  
ggt atg ggc gcg atc acC tct acC ctG tgg acc ctg ctg cgt ccG  
ggt gac gaA gtT ctg ctg ggc aac acc ctg taT ggt tgt act ttt  
gct ttc ctg cac cac ggt atc ggt gaA ttc ggc gtT aaA ctg cgt  
caC gtA gaT atg gct gac ctg cag gca ctg gaA gcg gct atg acc  
ccg gct acc cgt gtT atc taC ttc gaA tcc ccg gct aac ccG acc  
atg cac atg gct gaC atc gcA ggt gtT gct aaA atC gct cgt atg  
cac ggc gct acc gtA gtT gtT gaT aac acc tac tgt act ccg tac  
ctg caA cgt ccG ctg gaA ctg ggc gct gac ctg gtT gtT caC tcc  
gct act aaA tac ctg TCC ggc caC ggc gac atc act gct ggc acc  
gtA gtA ggc TCC cag gca ctg gtT gac cgt atC cgt ctg caA ggt  
ctG aaA gac atg acc ggc gct gtT ctG tcc ccG caC gac gca gca  
ctg ctg atg cgt ggt atc aag acc ctG aac ctg cgt atg gac cgt  
cac tgt gct aac gct cag gtA ctg gct gaA ttc ctG gct cgt cag  
ccg cag gtA gaA ctg atc caC taT ccg ggc ctg gct TCC ttc ccg  
cag tac act ctg gcA cgt cag cag atg TCC cag ccg ggc ggt atg  
atc gct ttc gaa ctG aag ggt ggc atc ggc gct ggt cgt cgt ttc  
atg aac gct ctg caG ctg ttc TCC cgt gcg gtT TCC ctg ggt gac  
gct gaA tcc ctg gcg cag cac ccg gca TCC atg act caC tcc TCC  
taC act ccG gaA gaA cgt gcg caC tac ggc atc tcc gaA ggc ctg  
gtT cgt ctg tct gtT ggt ctg gaa gac atc gaT gaT ctg ctg gca  
gac gtT caG cag gct ctG aag gct agC gct tga GGA TCC

Figure 1B - SEQ ID No. 4, with residual bases from restriction sites included.

C atg GGT cac ggc tcc aac aaA ctG ccG ggc ttt gct acc cgc  
gct atC cac caC ggt taT gac ccG cag gaT cac ggt ggt gca ctg  
gtT ccG ccg gtT tac cag acT gct acT ttc acc ttc ccG acc gtT  
gaa tac ggc gct gcg tgc ttt gct ggc gaA cag gct ggt cac ttc  
tac TCC cgt atc tcc aac ccG acc ctG aac ctg ctg gaa gca cgt  
atg gcA tct ctg gaa ggc ggc gaA gct ggt ctg gcg ctg gcA tct  
ggt atg ggc gcg atc acC tct acC ctG tgg acc ctg ctg cgt ccG  
ggt gac gaA gtT ctg ctg ggc aac acc ctg taT ggt tgt act ttt  
gct ttc ctg cac cac ggt atc ggt gaA ttc ggc gtT aaA ctg cgt  
caC gtA gaT atg gct gac ctg cag

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Figure 1C - SEQ ID No. 6, with residual bases from restriction sites included.

ctg caa gca ctg gaA gcg gct atg acC cgg gct acc cgt gtT atc  
taC ttc gaA tcc ccg gct aac ccG aac atg cac atg gct gaC atc  
gca ggt gtT gct aaA atC gct cgt aag cac ggc gct acc gtA gct  
gtT gat aac acc tac tgt act ccg tac ctg caA cgt ccG ctg gaA  
ctg ggc gct gac ctg gtT gtT caC tcc gct act aaA tac ctg TCC  
ggc caC ggc gac atc act gct ggc atC gtA gtA ggc TCC cag gca  
ctg gtT gac cgt atC cgt ctg caA ggt ctG aaA gac atg acc ggc  
gct gtT ctG tcc ccG caC gac gca gca ctg Ctg atg cgt ggt acc  
aag acc ctG aac ctg cgt atg gac cgt cac tgt gct aac gct cag  
gtA ctg gct gaA ttc

Figure 1D - SEQ ID No. 8, with residual bases from restriction sites included.

gaA ttc ctG gct cgt cag ccg cag gtA gaA ctg atc caC tat ccg  
ggc ctg gct TCC ttc ccg cag tac act ctg gca cgt cag cag atg  
TCC cag ccg ggc ggt atg atc gct ttc gaa ctG aag ggt ggc atc  
ggc gct ggt cgt cgt ttc atg aac gct ctg caG ctg ttc TCC cgt  
gcg gtT TCC ctg ggt gac gct gaA tcc ctg gcg cag cac ccg gca  
TCC atg act caC tcc TCC taC act ccG gaA gaA cgt gcg caC tac  
ggc atc tcc gaA ggc ctg gtT cgt Ctg tct gtT ggt ctg gaa gac  
atc gat gat ctg ctg gca gaC gtT caG cag gct ctG aag gct agC  
gct tga GGA TCC